



# SAFETY DATA SHEET

## HYPERPERSE MDC776

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name or designation of the mixture      HYPERPERSE MDC776

Date of first issue      13/04/2012

Version number      2.5

Revision date      30/10/2021

Supersedes date      25/02/2020

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses      Membrane Deposit Control Agent

Uses advised against      None known.

#### 1.3. Details of the supplier of the safety data sheet

JV Process and Water Chemicals LLC

Address: Street V. Kadirov 10, city Chirchik,

Region Tashkent Republic of Uzbekistan, 111702

Tel: +99871 209 10 40

Email address: info@pwch.uz

www.pwch.uz

#### 1.4. Emergency telephone number

Multilingual emergency number (24/7)

Street V. Kadirov 10, city Chirchik,

Region Tashkent Republic of Uzbekistan, 111702

Tel: +99871 209 10 40

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

#### 2.2. Label elements

##### Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms      None.

Signal word      None.

Hazard statements      The product does not need to be labelled in accordance with EC directives or respective national laws.

##### Precautionary statements

Prevention      Not available.

Response      Not available.

Storage      Not available.



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<b>Disposal</b>	Not available.
<b>Supplemental label information</b>	EUH210 - Safety data sheet available on request.
<b>2.3. Other hazards</b>	None known.

### SECTION 3: Composition/information on ingredients

#### Mixtures

<b>Chemical description</b>	Aqueous solution of organic salts				
<b>Chemical name</b>	<b>%</b>	<b>CAS-No. / EC No.</b>	<b>REACH Registration No.</b>	<b>Index No.</b>	<b>Notes</b>
Monopotassium phosphite	1 - < 3	13977-65-6 604-162-9	-	-	
<b>Classification:</b>	Eye Irrit. 2;H319				

The classification of the above substance(s) is given, including the hazard class, category code and hazard statements which are assigned in accordance with their physicochemical, health and environmental hazards. Please refer to section 16 where the full text of each relevant H-statement is listed.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move to fresh air.
<b>Skin contact</b>	Wash off immediately with plenty of water.
<b>Eye contact</b>	Immediately flush eye(s) with plenty of water. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth.

**4.2. Most important symptoms and effects, both acute and delayed** Not applicable.

**4.3. Indication of any immediate medical attention and special treatment needed** Not available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Dry chemical, CO <sub>2</sub> , water spray or regular foam.
<b>Unsuitable extinguishing media</b>	None.

**5.2. Special hazards arising from the substance or mixture** Oxides of carbon, nitrogen and phosphorus evolved in fire.

#### 5.3. Advice for firefighters

<b>Special protective equipment for firefighters</b>	Self contained breathing apparatus. (CEN : EN 137) Protective clothing (CEN : EN 469) Protective gloves (CEN : EN 659) Helmet (CEN : EN 443)
<b>Special fire fighting procedures</b>	Use standard firefighting procedures and consider the hazards of other involved materials. Prevent spillage and fire-fighting water from entering in public sewers or the immediate environment.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	Protective clothing
<b>For emergency responders</b>	Use personal protection recommended in Section 8 of the SDS.

**6.2. Environmental precautions** Prevent from entering sewers or the immediate environment.  
Accidental release of large quantities into the aquatic environment may harm aquatic organisms.



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<b>6.3. Methods and material for containment and cleaning up</b>	Absorb onto inert material and dispose of according to Controlled Waste Regulations. Remove small spills with plenty of water.
<b>6.4. Reference to other sections</b>	Please refer also to section no. 8 'Exposure controls' for further information.

### SECTION 7: Handling and storage

<b>7.1. Precautions for safe handling</b>	Normal chemical handling.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	Store in cool, well ventilated area. Store containers closed when not in use. Protect from freezing. Do not store at elevated temperatures.
<b>7.3. Specific end use(s)</b>	Only for professional and industrial users
<b>Shelf life</b>	720 days

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Recommended monitoring procedures</b>	Not available.
<b>Derived no effect levels (DNELs)</b>	Not available.
<b>Predicted no effect concentrations (PNECs)</b>	Not available.

#### 8.2. Exposure controls

<b>Appropriate engineering controls</b>	Ensure good ventilation.
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#### Individual protection measures, such as personal protective equipment

<b>Eye/face protection</b>	Safety glasses. CEN : EN 166
<b>Skin protection</b>	
- Hand protection	Protective gloves (Plastic, impervious) (Protection against unintentional short-term contact) Coating thickness: 0.5 mm Penetration time: > 480 min CEN : EN 420
- Other	Protective clothing if splashing or repeated contact with product is likely. CEN : EN ISO 13688
<b>Respiratory protection</b>	Not required.
<b>Thermal hazards</b>	Not available.
<b>Environmental exposure controls</b>	Prevent from entering in public sewers or the immediate environment.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

##### Appearance

<b>Colour</b>	Yellow
<b>Physical state</b>	Liquid
<b>Odour</b>	None
<b>Odour threshold</b>	Not available.
<b>pH (concentrated product)</b>	6,5
<b>pH in aqueous solution</b>	Not available.
<b>Melting point/freezing point</b>	-12 °C



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Initial boiling point and boiling range	Not available.
Flash point	> 93 °C SETA(CC)
Evaporation rate	< 1 (Ether = 1)
Flammability (solid, gas)	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapour pressure	18 mm Hg
Vapour pressure temp.	21 °C
Vapour density	< 1 (Air = 1)
Relative density	1,29
Relative density temperature	21 °C
<b>Solubility</b>	
Solubility (water)	100 %
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not available.
Viscosity	26 cps
Viscosity temperature	21 °C
Explosive properties	Not available.
Oxidising properties	Not available.
<b>9.2. Other information</b>	
Pour point	-9 °C
Shelf life	720 days
VOC	4 % (ASTM 3960-93)

### SECTION 10: Stability and reactivity

10.1. Reactivity	Not available.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	Not applicable.
10.4. Conditions to avoid	Protect from freezing.
10.5. Incompatible materials	Avoid contact with strong oxidisers.
10.6. Hazardous decomposition products	Oxides of carbon, nitrogen and phosphorus evolved in fire.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Product	Test Results
HYPERSPERSE MDC776	Acute Dermal LD50 Rabbit: > 5000 mg/kg (Calculated according to GHS additivity formula) Acute Oral LD50 Rat: > 5000 mg/kg (Calculated according to GHS additivity formula)
Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.



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<b>Serious eye damage/irritation</b>	May be irritating to eyes.
<b>Respiratory or skin sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - single exposure</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.

### Information on likely routes of exposure

<b>Ingestion</b>	May cause irritation of the gastrointestinal tract.
<b>Inhalation</b>	Prolonged or excessive inhalation may cause respiratory tract irritation.
<b>Skin contact</b>	May be irritating to the skin.
<b>Eye contact</b>	May be irritating to eyes.
<b>Symptoms</b>	Not available.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Mixture versus substance information</b>	None known.
<b>Other information</b>	Not available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product	Species		Test Results		
HYPERSPERSE MDC776	<b>Aquatic</b>	Crustacea	LC50	Daphnia magna	1071 mg/l, Static Renewal Bioassay, 48 hour
			NOEL	Daphnia magna	500 mg/l, Static Renewal Bioassay, 48 hour
	Fish	LC50	Fathead minnow	2143 mg/l, Static Renewal Bioassay, 96 hour	
			Rainbow trout	3482 mg/l, Static Renewal Bioassay, 96 hour	
		NOEL	Fathead minnow	1000 mg/l, Static Renewal Bioassay, 96 hour	
			Rainbow trout	2000 mg/l, Static Renewal Bioassay, 96 hour	

### 12.2. Persistence and degradability

No data available

**12.3. Bioaccumulative potential** Not available.

**Partition coefficient n-octanol/water (log Kow)** Not available.

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** Not available.

**12.5. Results of PBT and vPvB assessment** Not a PBT or vPvB substance or mixture.

**12.6. Other adverse effects** Not available.



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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<b>Contaminated packaging</b>	According to Controlled Waste Regulations.  EWC ( European Waste Code ) recommendation : 15 01 02 15 Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified. 15 01 Packaging (including separately collected municipal packaging waste). 15 01 02 Plastic packaging. Depending on the origin and state of the waste, other EWC numbers may be applicable too.
<b>Disposal methods/information</b>	According to Controlled Waste Regulations.  EWC ( European Waste Code ) recommendation : 16 03 06 16 Wastes not otherwise specified in the list. 16 03 Off-specification batches and unused products. 16 03 06 Organic wastes Depending on the origin and state of the waste, other EWC numbers may be applicable too.

### SECTION 14: Transport information

<b>ADR</b>	Not regulated as dangerous goods.
<b>RID</b>	Not regulated as dangerous goods.
<b>ADN</b>	Not regulated as dangerous goods.
<b>IATA</b>	Not regulated as dangerous goods.
<b>IMDG</b>	Not regulated as dangerous goods.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU regulations

- Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**  
Not listed.
- Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended**  
Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**  
Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**  
Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**  
Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**  
Not listed.
- Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**  
Not listed.
- Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**  
Not listed.

##### Authorisations

- Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**  
Not listed.

##### Restrictions on use



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Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

### Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

National regulations Not available.

15.2. Chemical safety assessment Not available.

### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## SECTION 16: Other information

### List of abbreviations

EC-No: European Commission Number  
VME: Valeur moyenne d'exposition (Time weighted average)  
COD: Chemical Oxygen Demand  
IATA: International Air Transport Association  
IMDG Code: International Maritime Dangerous Goods Code.  
CAS: Chemical Abstract Service.  
CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.  
CEN: European Committee for Standardization (Comité Européen de Normalisation).  
TWA: Time Weighted Average.  
STEL: Short-term Exposure Limit.  
LD50: Lethal Dose 50%.  
LC50: Lethal Concentration 50%.  
EC50: Effective Concentration 50%.  
NOEL: No observed effect level.  
BOD: Biochemical oxygen demand.  
TOC: Total Organic Carbon.  
ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route).  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures).  
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).

### References

Safety data sheets of raw materials.

### Information on evaluation method leading to the classification of mixture

The physical, health and environmental hazards of this mixture are assessed by applying the classification criteria for each hazard class or differentiation in Parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008 (CLP).

### Full text of any H-statements not written out in full under Sections 2 to 15

H319 Causes serious eye irritation.

### Revision information

This document has undergone significant changes and should be reviewed in its entirety.

### Training information

Provide training on safe handling while considering the type of application and exposure scenarios.



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<b>Based on EC Directive / Regulations</b>	(EC) No 1907/2006 (REACH) (EC) No 1272/2008 (EU) No 1357/2014 (EU) 2015/830
<b>Further information</b>	Correction in Section: 8,11